## CLAIMS

We claim:

- A woven material with an incorporated particulate solid.
- 2. The woven material according to claim 1, wherein the incorporated particulate solid is in an amount of about 10  $g/m^2$  to about 70  $g/m^2$ .
- 3. The woven material according to claim 2, wherein the incorporated particulate solid is in an amount of about 15 g/m<sup>2</sup> to about 30 g/m<sup>2</sup>.
- 4. The woven material according to claim 1, wherein the incorporated particulate solid is in an amount of about 10  $g/m^2$ .
- 5. The woven material according to claim 1, wherein the incorporated particulate solid is in an amount of about 15  $g/m^2$ .
- 6. The woven material according to claim 1, wherein the incorporated particulate solid is in an amount of about 20  $g/m^2$ .
- The woven material according to any one of claims 4-6, wherein the woven material has a weight of less than or equal to about  $20 \text{ oz/yd}^2$ .
- 8. The woven material according to claim 7, wherein the woven material has a weight of about 3 oz/yd $^2$  to about 7 oz/yd $^2$ .
  - 9. The woven material according to claim 8,

wherein the incorporated particulate solid is activated carbon, graphite, silica gel, activated alumina, aluminum trihydrate, pot ash, baking soda, paramethoxy 2-ethoxyethylester cinnamic acid, zinc oxide, or titanium dioxide.

- 10. The woven material according to claim 9, wherein the incorporated particulate solid is activated carbon.
- 11. The woven material according to claim 1, wherein said woven material has a wicking height of about 100% to about 400% greater than the wicking height of the woven material without an incorporated particulate solid.
- 12. The woven material according to claim 11, wherein said woven material has a wicking height of about 120% greater than the wicking height of the woven material without an incorporated particulate solid.
- 13. The woven material according to claim 11, wherein said woven material has a wicking height of about 380% greater than the wicking height of the woven material without an incorporated particulate solid.
- 14. The woven material according to claim 1, wherein said woven material has a UV adsorption value of about 2- to about 10-times greater than the UV adsorption value of the woven material without an incorporated particulate solid.

- 15. The woven material according to claim 14, wherein said woven material has a UV adsorption value of about 3- to about 4-times greater than the UV adsorption value of the woven material without an incorporated particulate solid.
- 16. The woven material according to claim 1/wherein the incorporated particulate solid is activated carbon, graphite, silica gel, activated alumina, aluminum trihydrate, pot ash, baking soda, paramethoxy 2-ethoxyethylester cinnamic acid, zinc oxide, or titanium dioxide.
- 17. The woven material according to claim  $\dot{r}\dot{e}$ , wherein the incorporated particulate solid is activated carbon.
- 18. The woven material according to claim 1%, wherein the incorporated particulate solid is in an amount of about 10 g/m².
- 19. A garment comprising a woven material with an incorporated particulate solid according to any one of claims  $1-18\,$ .
- 20. A process for producing a woven material with an incorporated particulate solid which process comprises:
- a. entraining a particulate solid in a gaseous carrier;
- b. disposing a first face of a woven material in the path of a stream of the gaseous carrier and entrained particulate solid;
  - c. maintaining a pressure drop across the

woven material from the first face to a second face of said material, thereby to incorporate at least some of the entrained particulate solid in the gaseous carrier into the woven material; and

- d. fixing the incorporated particulate solid.
- 21. The process according to claim 2Q wherein the direction of the pressure drop across the woven material is controlled.
- 22. The process according to claim 21 wherein the direction of the pressure drop across the woven material is controlled through the use of slats positioned beneath the woven material.
- 23. The process according to claim 20 wherein the woven material has a weight of less than or equal to about 20 oz/yd $^2$ .
- 24. The process according to claim 23, wherein the woven material has a weight of about 3  $oz/vd^2$  to about 7  $oz/vd^2$ .
- $25.\,$  The process according to claim 20, wherein the particulate solid has odor-adsorbing properties.
- 26. The process according to claim 20, wherein the particulate solid has moisture management properties.
- 27. The process according to claim 20, wherein the particulate solid has ultraviolet

protection properties.

- 28. The process according to claim  $20_{\wedge}$  wherein the particulate solid is activated carbon, graphite, silica gel, activated alumina, aluminum trihydrate, pot ash, baking soda, paramethoxy 2-ethoxyethylester cinnamic acid, zinc oxide, or titanium dioxide.
- 29. The process according to claim 28, wherein the particulate solid is activated carbon.
- 30. The process according to claim 29, wherein the particulate solid is incorporated in an amount of about 10 g/m<sup>2</sup> to about 70 g/m<sup>2</sup>.
- 31. The process according to claim 20, wherein the pressure drop is effected by applying suction to the second face of the woven material.
- 32. The process according to claim 31, comprising providing a supply zone, wherein the stream of gaseous carrier and entrained particulate solid are supplied directly to the first face of the woven material, and a suction zone for applying suction to the second face of the woven material.
- 33. The process according to claim 32, wherein at least some of any remaining entrained particulate solid is recirculated.
- 34. The process according to claim 33, wherein the gaseous carrier and entrained particulate solid are substantially free of fibrous material.

- 35. The process according to claim 20, wherein the particulate solid is thermally fixed in the woven material.
- 36. The process according to claim 35, wherein the thermal fixing is induced by the application of infra-red energy to the woven material.
- 37. The process according to claim 20, wherein the particulate solid is fixed in the woven material with the aid of a chemical binder.
- 38. A woven material with an incorporated particulate solid produced by a process according to any one of claims 20 to 37.